# ASSESSMENT REPORT
# ON
# DIAMOND DRILLING, GEOCHEMICAL & GEOLOGICAL WORK
# ON THE FOLLOWING CLAIMS



TR 4 ..... 4960(9)
TR 5 ..... 4961(9)
TR 8 ..... 4964(9)

PART OF THE TR #1 GROUP





located

80 KM NORTH-NORTHWEST OF
STEWART, BRITISH COLUMBIA
SKEENA MINING DIVISION

56 degrees 35 minutes latitude
130 degrees 09 minutes longitude

N.T.S. 104B/9E

PROJECT PERIOD: Aug. 16 - Sept. 29, 1987

ON BEHALF OF
TEUTON RESOURCES CORP.
VANCOUVER, B.C.



REPORT BY

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Date: Dec. 28, 1987

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# 1. INTRODUCTION

## A. Property, Location, Access and Physiography

The property is located about 80 km north-northwest of Stewart, British Columbia. Nearest road is the Cassiar-Stewart Highway about 17 km to the east. Access is presently limited to helicopter, either from the base at Stewart or at Bob Quinn Lake (during the 1987 program helicopter service was provided by Vancouver Island Helicopters directly from the Catear Resources' base camp about 1 km north of Brucejack Lake. The recent completion of a temporary road from a barge terminal on Bowser Lake into the Sulphurets gold-silver prospect near Brucejack Lake has provided yet another alternative means of access.

The claims cover an area of rugged, mountainous terrain at the head of the Treaty Creek Glacier. Elevations vary from approximately 1350m to 2000m. Vegetation in the area is limited to low-lying shrubs, mountain grasses and heather.

The best rock exposure occurs where glacial retreat has been most pronounced. These exposures are interspersed with areas covered by glacial debris and moraine. Although slopes are steep, well over half of the exposed areas can be accessed by foot without the help of mountaineering equipment.

Climate is severe, particularly at higher elevations. Heavy snowfalls in winter and rain in the short summer working season are typical of the Stewart area. Inclement weather conditions and reliance on helicopter transport make this a high cost area to explore for minerals.

## B. Status of Property

Relevant claim information is summarized below:

| Name | Record No. | No. of Units | Anniversary Date |
|---|---|---|---|
| TR 4 | 4960(9) | 18 | Sept. 30, 1987 |
| TR 5 | 4961(9) | 20 | Sept. 30, 1987 |
| TR 8 | 4964(9) | 8 | Sept. 30, 1987 |

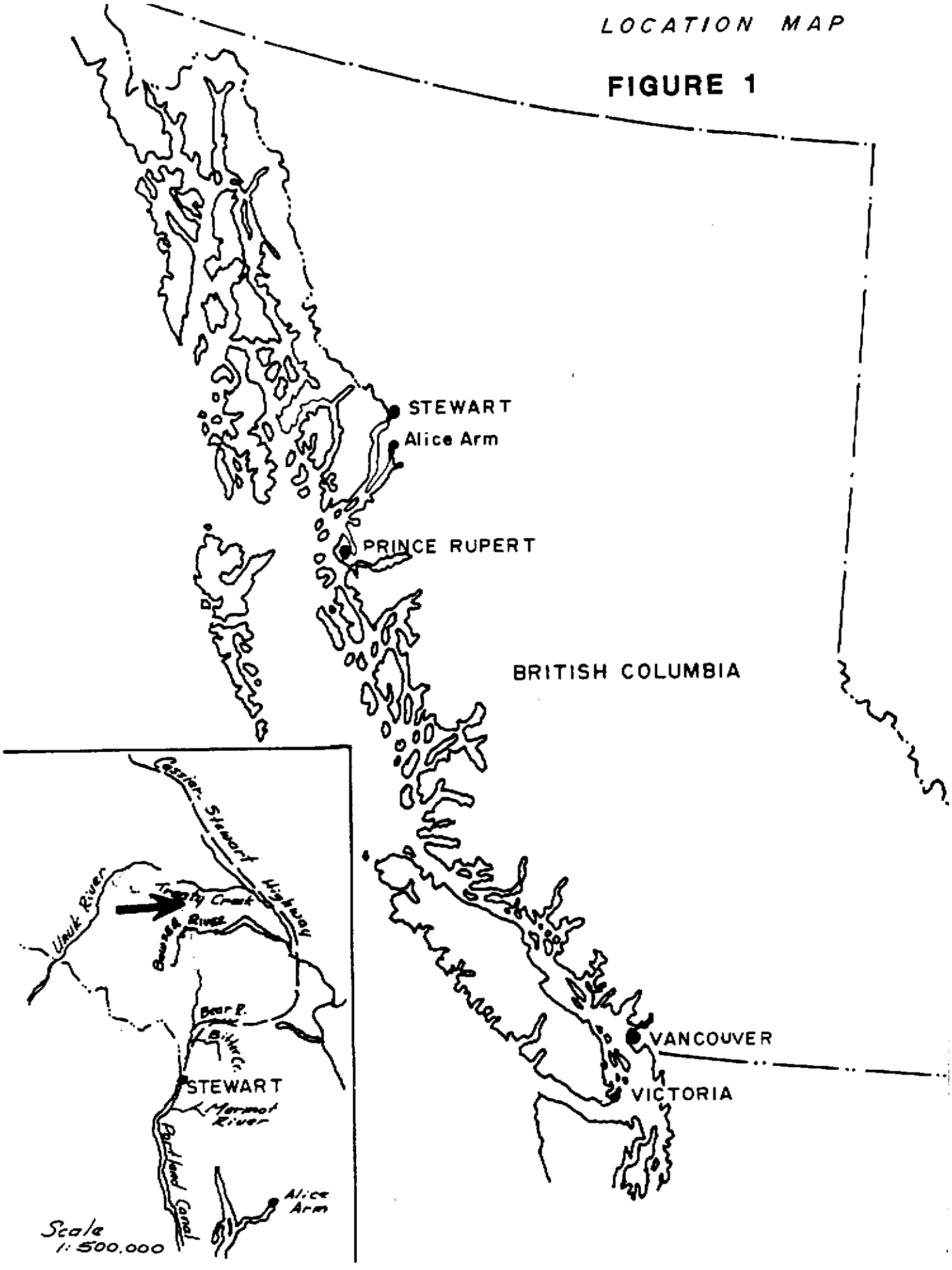
Claim locations are shown on Fig. 2 after government N.T.S. map 104B/9E. The claims are owned by Teuton Resources Corp. of Vancouver, British Columbia.

## C. History

Two, brief isolated accounts in the B.C. Department of Mines Annual Reports mention that the Consolidated Mining and Smelting

LOCATION MAP

**FIGURE 1**



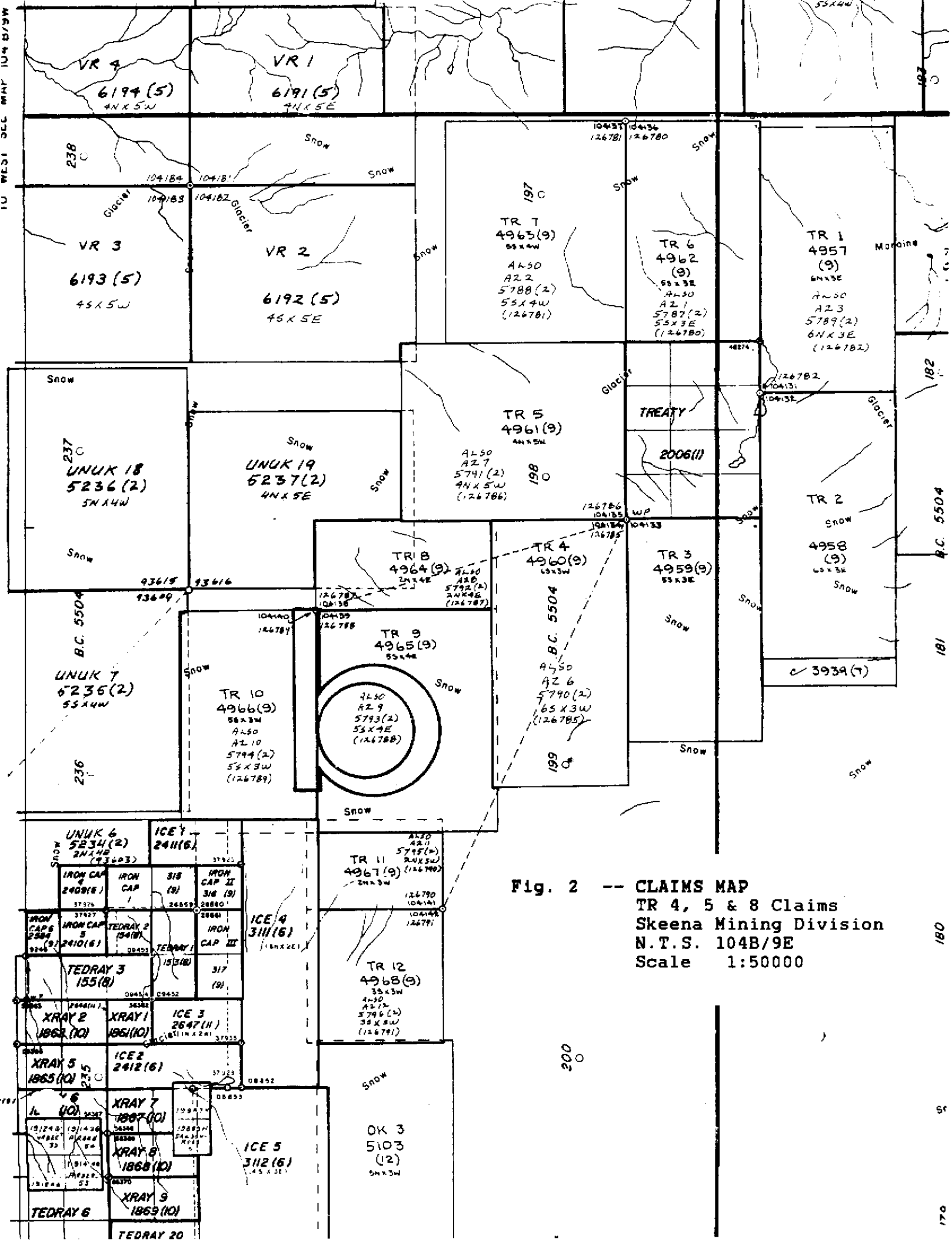



**Fig. 2 -- CLAIMS MAP**
TR 4, 5 & 8 Claims
Skeena Mining Division
N.T.S. 104B/9E
Scale 1:50000

Company of Canada Ltd. (now Cominco) explored a large mineralized zone, parts of which are now covered by the TR 5 claim, during 1929 and 1930. Although Consolidated located 57 surveyed Crown-grant mineral claims in the area, exploration ended abruptly in 1931 and the claims were abandoned. Results of their exploration efforts were not published.

It is also reported that several prospecting syndicates explored the general Treaty Creek area during the 1950's (Ref. 1). In 1953, prospectors Charles Knipple and Tim Williams reported a small silver sulfide vein south of the Treaty Claim. Large boulders of tetrahedrite were also reported on the ice surface (source remains unlocated). Further work in 1967 ostensibly located a significant magnetic anomaly at the junction of Treaty Creek and South Treaty Glaciers.

This, and further work in the area appears to have concentrated on the highly visible alteration zones to the north and east of the TR 4, 5 & 8 claims (covered by other claims in the TR series). It appears that very little work, if any, has been carried out previously on the nunatak controlled by the TR 8 and TR 9 claims. Because this exposure lies on trend with the prolific gold-silver deposits now being explored at the Sulphurets property (just to the south), it became a priority target for investigation during the 1987 work program.

D. References

1. GROVE, E.W., P.ENG., PH.D. (1983): Private Report for Teuton Resources Corp. on the Treaty Claim.

2. GROVE, E.W. (1982): Unuk River, Salmon River, Anyox Map Areas. Ministry of Energy, Mines and Petroleum Resources, B.C.

3. GROVE, E.W. (1971): Bulletin 58, Geology and Mineral Deposits of the Stewart Area. B.C.M.E.M.P.R.

4. ANNUAL REPORTS, MINISTER OF MINES, B.C.:
1929 -- p. C102; 1930 -- p. A110.

5. BRITISH COLUMBIA MINER (1928): "Portland Canal Notes" by W.R. Hull, p. 36, December 1, 1928.

6. KRUCHKOWSKI, E.R. (1981): Geological Report Treaty Claim -- Bowser-Unuk Project, NTS 104B/9E, for E & B Explorations Ltd.

7. CREMONESE, P.ENG. (1984): Assessment Report on Prospecting Work on the Electrum 1 and Electrum 6 Claims, NTS 104B/9E, On File with the B.C.M.E.M.P.R.

8. CREMONESE, P.ENG. (1985): Assessment Report on Geological and Geochemical Work on the Treaty Claim, NTS 104B/9E, On File with the B.C.M.E.M.P.R.

9. CREMONESE, P.ENG. (Feb., 1987): Assessment Report on Geochemical Work on the Treaty & TR 2 claims, NTS 104B/9E, On File with the B.C.M.E.M.P.R.

## E. Summary of Work Done.

In the first phase of exploration, a silt and rock geochemical survey was conducted over the claims by E.R. Kruchkowski Consultants of Calgary, Alberta. Kruchkowski Consultants used the Catear Resources camp on the Gold Wedge Fraction (about 1 km north of Brucejack Lake) as a staging ground for reconnaissance exploration programs mounted for several resource companies in the area. Vancouver Island Helicopters also provided flight services directly from the Catear camp, a circumstance which cut costs considerably (in previous years, helicopter service was provided either directly from Stewart, or from the Granduc air strip).

A complete field camp complete with generator was mobilized by helicopter from the Catear base camp to a moraine flat in the southwest corner of the Treaty claim on Aug. 16, 1987. Crew consisted of four men, working daily in parties of two. Party leaders were Ken Konkin, geologist, and Gordon Sinden, geol.-technologist--two old hands in the Stewart area. Field supervision was the responsibility of E.R. Kruchkowski, P.Geol. The author also visited the claims area to monitor progress.

Personnel and samples were demobilized by helicopter on Aug. 24, 1987.

Thirty-eight rock geochemical samples and 3 silt samples were collected during the survey. The silt samples and 36 of the rock samples were analysed for gold and silver by standard AA techniques; 2 of the rock samples were analysed for gold by AA and for 29 elements by I.C.P. (Inductively Coupled Argon Plasma). Certain of the geochemical traverses were assisted by helicopter drop-offs and pick-ups in order to maximize amount of ground coverable from a single field camp.

[Author's note: certain of the costs included in the Work Cost Statement (Appendix I) have been prorated because work on an adjacent group, the "TR #2 Group", proceeded at the same time. Based on an estimation of division of effort, 25% of these shared costs have been allocated to the claims forming the subject of this report (TR #1 Group), 75% to those claims in the TR #2 Group.]

Extremely high gold assays from the first phase samples quickly led to an expanded second phase of exploration spanning the period Sept. 7 to Sept. 29, 1987. This included minor rock geochemical sampling, blast trenching, helicopter pad construction, drill pad construction, mobilization by helicopter of a diamond drill, ancillary equipment, camp and supplies, etc., and drilling of a hole 61.1 meters in length (and sampling/analysis of drill core). The second phase was beset by difficulties: extremely severe weather conditions confounded attempts to mobilize the drill and supplies; to make matters worse the under-powered drill rig supplied by the contractor could not handle the hard skarn formation encountered in Hole 87-1. As a result, costs were sharply higher than originally estimated.

Additional gold (AA) and 30 element I.C.P. assays were performed on 41 drill core samples and 9 rock geochemical samples.

Contractor for the drill program was D. W. Coates Enterprises Ltd. of Delta, B.C. Geologist Ken Konkin of Kruchkowski Consultants monitored the drill program and logged and sampled the core.

## 2. TECHNICAL DATA AND INTERPRETATION

### A. Regional Geology

The following capsule description of the geology in the Treaty Glacier vicinity has been excerpted from a private report (Ref. 1) by E.W. Grove, Ph.D., P.Eng.:

"The contact between thick Upper Jurassic Nass Formation sediments and the underlying Lower Jurassic Unuk River Formation volcanic assemblage lies along the toe of Treaty Creek Glacier and Treaty Creek. In this area the Nass Formation (old Bowser Assemblage) comprises cyclically banded dark siltstone beds generally from 0.3 to 2 meters thick intercalated within greywacke beds one to six m thick which form up to 75 per cent of the north dipping, complexly folded sequence in this area. This sequence unconformably overlies middle Lower Jurassic thinly banded siltstones (east of South Treaty Glacier), volcanic conglomerates, volcanic breccias, mixed cherty volcanic breccias, volcanic sandstones, andesitic flows, and minor rhyo-dacite flows. Thin siltstone and sandstone members intercalated within the dominantly epiclastic volcanic sequence provides evidence for the complexly folded nature of the country rocks in this area. Augite porphyry sills are found throughout this sequence and are well exposed along both flanks of the Treaty Creek Glacier.

All the country rocks in the area exhibit evidence of folding. The main feature in the Lower Jurassic sequence is a

northeasterly trending anticlinal warp. This is overlain unconformably by the tightly folded northeasterly dipping Upper Jurassic sedimentary sequence.

The country rocks in this area have been cut by numerous steep northeast trending faults which show left hand offsets of from several tens of meters to 150 meters, or right hand motion of a few tens of meters.

No major plutons have yet been uncovered in the area, but various small granitic to dioritic dikes cut across the Lower Jurassic sequence."

B. Property Geology/Mineralogy

Rocks observed during traverses by the geochemical sampling crew on the northwest slopes overlooking the upper reaches of the Treaty Glacier (TR 8, 5 claims) include: weak to moderately altered, crystal-lithic andesite tuffs, intensely altered crystal-lithic andesite tuffs (sericite schist), dolomite, limestone, quartzite, pillow lavas, red, purple, green volcanic breccias and porphyritc flows (minor chert).

Coarse native gold was discovered in 1987 associated with extremely vuggy, oxidized (limonitic) quartz and calcite veining (pods?) within a skarned, silicified and dolomitic crystal-lithic tuff host: the "Konkin Gold Zone" (see Map No. 3). The auriferous quartz and calcite injection was accompanied by pyrite and chalcopyrite mineralization characterized by intense limonite, azurite and malachite oxidation.

The extremely vuggy gold zone is about 1.2 meters wide and has been traced for a little less than 3 meters on surface. A second zone of chalcopyrite-bearing, highly auriferous mineralization located 30 meters to the northeast may be a related feature. Further geological observations were rendered impossible because of an earlier than expected snowfall which blanketed the ground by mid-September.

The near vertical quartz calcite vein system exposed in the gold pit (see Map No. 3) appears to plunge northerly into the steep glaciated valley wall. Because this structure was not intersected in drill core, it is hypothesized that it may be cigar shaped (pod-like). The skarn assemblage in the vicinity of the gold pit consists of a silicified dolomite/lithic-crystal tuff host with magnetite, calcite, chlorite, diopside, chalcopyrite, pyrite, specular hematite, epidote, trace sphalerite, malachite, azurite, and limonite.

Other mineralization encountered during the geochemical survey traverses includes sedex type pyrite seams, quartz veining

and quartz-sericite-pyrite alteration. Rough outlines of rock outcrops as observed in the field have been set out in Map No. 1. Locations are necessarily approximate and have been compiled from altimeter readings and notes/maps made in the field by reference to air photos.

## C. Geochemistry

### a. Introduction

Reconnaissance expeditions were undertaken daily during the first phase from a a well-equipped field camp located in the southwest corner of the Treaty claim. Individual parties of two investigated areas of interest on the TR 4, 5 and 8 claims. Access was directly by foot or by helicopter drop-off and pick-up. Rock and silt geochemical samples were taken to assess local mineral content.

Sample locations are shown in Map No. 1; gold values in ppb and silver values in ppm are shown in Map No. 2.

One of the first areas to be investigated, on the TR 8 claim, resulted in the discovery of an exposure of skarn-type mineralization. Subsequent receipt of assays showed extraordinarily high values in gold. This area is now referred to as the "Konkin Gold Zone" after its locater, geologist Ken Konkin. Relevant information is shown on Map. No. 3.

### b. Rock Geochem Samples

An unusually high amount of the rock samples taken during the 1987 survey can be classed as anomalous based on a regional "rule-of-thumb" (by reference to similar reconnaissance surveys performed in the general area) that states values in excess of 200 ppb gold or 5 ppm silver merit additional investigation.

Sample values and sample descriptions are catalogued below according to somewhat loosely defined areas of interest.

#### b.1-Konkin Gold Zone

Samples KK 206-210, the "discovery samples", were taken by geologist Ken Konkin during the first day of fieldwork on the TR 8 claim. Sample notes are reproduced below:

KK 206 --0.76 m chip; skarn assemblage, 25-30% coarse grained, blebby masses of chalcopyrite, 15-20% masses of coarse grained pyrite, in silicified limestone.

Assay: gold-22,500 ppb silver-102.5 ppm

KK 207 --2.3 m chip; oxidized, massive pyrite (20-25%), seams up to .3m wide, limonitic skarn assemblage.

Assay: gold-6,700 ppb silver-17.2 ppm

KK 208 --1.2 m chip; limestone, silicified skarn assemblage, 5-7% coarse grained pyrite.

Assay: gold-3,600 ppb silver-7.0 ppm

KK 209 --1.2 m chip; massive pyrite seams, 15-20 cm wide, extremely limonitic.

Assay: gold-3,600 ppb silver-4.4 ppm

KK 210 --1.2 m chip; oxidized zone, 80% limonite, 5% azurite and malachite, 5% coarse grained pyrite and chalcopyrite, trace garnet.

Assay: gold-890,600 ppb silver-267.4 ppm
Check fire assay: gold-30.092 oz/ton silver-8.62 oz/ton

On Sept. 7, 1987, the author flew into the TR 8 claim with Ed Kruchkowski, P. Geol., to determine the source of the high values obtained in the samples noted above [Note: visible gold was not observed during the initial sampling by Ken Konkin]. Hand trenching of the KK-210 sample area unearthed several spectacular rock specimens containing abundant fine to coarse gold.

Further work, Sept. 9-10, 1987, resulted in an extension of the high-grade values in an area located approximately 30 meters to the northeast (see Map No. 3). Sample notes from geologist Ken Konkin's fieldbook follow:

KK-290 --1.8 m chip; dolomite skarn; 15-20% coarse-grained, disseminated pyrite, 5-10% disseminated coarse-grained chalcopyrite, 7-10% calcite veinlet sweats.

Assay: gold-2590 ppb silver-8.6 ppm

KK-291 --1.2 m chip; dolomite skarn, sample centered on 45 cm wide massive pyrite seam; 3-5% chalcopyrite, minor malachite and azurite, intensly limonitic and hematitic.

Assay: gold-77400 ppb silver-48.4 ppm

KK-292 --2.3 m chip; severely oxidized skarn. Same as KK-290

Assay: gold-3040 ppb silver-6.4 ppm

KK-293 --Same as KK-291; 1.0 m wide chip over 2.0 m zone (1.0 m

is covered by overburden and glacial moraine).

Assay: gold-3860 ppb silver-19.8 ppm

KK-294 --1.4 m chip; centered on massive pyrite seam; intense limonite oxidation; quartzite(?).

A blast trench was put in to open up the discovery area on Sept. 10, 1987. At the northern end of the trench, Ken Konkin took the following sample:

Assay: gold-36200 ppb silver-14.5 ppm

KK-295 --1.2 m chip in Gold Pit; 90% limonite, 10% quartz crystals; coarse-grained native gold, 1-2% fine-grained pyrite; extremely vuggy.

Assay: gold-336400 ppb silver-120.7 ppm

b.2--Sericite Schist Zone

Samples KK-211 to KK-215 were taken from sericite schists exposed approximately 120 to 200 m northwest of the Konkin Gold Zone. Sample notes follow:

KK-211 --2.0 m chip; limonite oxidation; silicified, leached andesite tuff, 5-7% ghost pyrite, weak sericite schist

Assay: gold-23700 ppb silver-5.8 ppm

KK-212 --2.0 m chip; same as KK-211

Assay: gold-3500 ppb silver-2.6 ppm

KK-213 --2.1 m chip; sericite schist, trace to 1% fine-grained pyrite, 2-3% coarse-grained pyrite ghosts. Schistosity poorly developed.

Assay: gold-224 ppb silver-0.4 ppm

KK-214 --0.9 m chip; same as KK-213

Assay: gold-1000 ppb silver-0.9 ppm

KK-215 --1.1 m chip; same as KK-213

Assay: gold-230 ppb silver-0.5 ppm

b.3--Dolomite Zones

The KK-216 to KK-227 series investigates two outcrops

featuring dolomite and minor quartzite/sandstone, located 250 m and 500 m northeast of the Konkin Gold Zone (see Map No. 3). Gold values range from 400 to 2400 ppb. Sample notes follow:

KK-216 --0.9 m chip; medium to dark grey dolomite. Sample centered on 2-3% disseminated blebs of chalcopyrite, 5-10% calcite veinlets (1-3mm); 35-40% green chert

Assay: gold-700 ppb silver-2.4 ppm

KK-217 --2.7 m chip; same as KK 216

Assay: gold-1000 ppb silver-3.0 ppm

KK-218 --grab; outcrop of severely sheared and crushed rock, jarositic, sericite schist; very fine-grained, disseminated pyrite, leached.

Assay: gold-2000 ppb silver-8.1 ppm

KK-219 --0.6 m chip; same as KK-218

Assay: gold-400 ppb silver-2.2 ppm

KK-220 --1.2 m chip; jarositic, leached, intense sericite alteration, blocky siliceous host; 2-3% fine-grained, disseminated pyrite.

Assay: gold-700 ppb silver-2.4 ppm

KK-221 --1.2 m chip; same as KK-220

Assay: gold-500 ppb silver-1.1 ppm

KK-222 -- 1.2 m chip; centered on massive, coarse-grained pyrite pod dimensions 1m by 2m; intensely sheared.

Assay: gold-640 ppb silver-3.8 ppm

KK-223 -- 1.4 m chip; from pyrite rich layer in quartzite. 5-10% disseminated coarse-grained pyrite plus minor 5% 3-5 cm wide pyrite seams.

Assay: gold-1600 ppb silver-3.2 ppm

KK-224 -- 1.5 m chip; massive decomposed coarse-grained pyrite

Assay: gold-2400 ppb silver-19.4 ppm

KK-225 --1.2 m chip; massive pyrite layers (60%) in dolomite (25-3-%); quartz stockwork (10%) containing 3-5% galena. Quartz intrudes pyrite seam.

Assay: gold-1400 ppb silver-67.2 ppm

KK-226 --Select grab; from quartz stockwork sample KK-225

Assay: gold-1980 ppb silver-113.9 ppm

KK-227 --1.2 m chip; sheared, siliceous dolomite; sample centered on 2-3% coarse-grained pyrite seam.

Assay: gold-600 ppb silver--5.2 ppm

b.4--Tetrahedrite Vein

A small quartz vein mineralized with tetrahedrite, maximum width 0.3m, was discovered in the northeast corner of the TR 8 claim by Dan Aldrick, geologist with the B.C. Department of Mines. Two samples (grab?), DA 1 and DA 2, were analysed and returned, respectively: gold-6230 ppb, silver-355; gold-5675 ppb, silver 395.1 ppm. Samples taken from altered andesites in the vicinity, TR 91-93, did not register appreciable gold values.

b.5--Northern Section of TR 5 Claim

A number of reconnaissance rock geochem samples were also taken from the slopes overlooking the Treaty Glacier in the northern part of the TR 5 claim. Mineralized float boulders were located close to the ice in a lateral moraine. General trend of the boulders was estimated at 60 degrees azimuth. The boulders featured quartz-calcite veinlets in an argillitic host (possibly a brecciated vein) carrying 3-5 % galena and pyrite. Samples KK-232 to KK-234 showed gold values ranging from 104 to 420 ppb and silver values from 13.8 to 362.0 ppm.

Only one in-place rock geochem sample from this part of the survey showed anomalous values. Notes for Sample KK-230 follow:

KK-230 --1.1 m chip; sericite schist; excessive limonite, minor jarosite. No visible sulfides.

Assay: Gold-920 ppb Silver-0.3 ppm

c. Silt Geochemical Samples

Three silt geochemical samples were taken during the survey. Stream sediments were collected by sifting to minus 80 mesh in the field. The resulting fine silt was then carefully washed into a standard kraft bag and sent off for analysis by atomic absorption (sample size + 500 gm). These samples returned background values in gold and silver, only.

## D. Diamond Drilling

### a. Introduction

After viewing the Konkin Gold Zone on Sept. 7, 1987, E.R. Kruchkowski recommended that a series of short holes be drilled to test depth continuity of the Konkin Gold Zone. Shortly thereafter a contract was let with D. W. Coates Enterprises; at that time their rig was in the process of finishing a large program on Catear Resources' Gold Wedge Fraction.

A three week spell of bad weather began shortly before scheduled mobilization. The rig and attendant equipment/supplies were transported at great expense by various helicopters into the Konkin Gold Zone drillsite. Costly weather-related delays plagued the mobilization and interfered with attempts to supply the drill program with replacement materials and parts.

It was then revealed that the drill rig, which had performed well enough on the sericite schists at the Gold Wedge Fraction, was not equal to the hard skarn at the Konkin Gold Zone. Drilling advanced very slowly and was marked by an unusual consumption of materials because of caving in the hole. Due to bad ground conditions there was no circulation of water. Two storms during the period Sept. 23-29 almost led to a mutiny of the drill crew (camp was blown away by a heavy gust of wind). Costs were approximately two to three times higher than expected.

Drill Hole 87-1 was completed on Sept. 29, 1987 reaching a depth of 61.1 m. A plan view of the drill hole is shown on Map No. 3. Bearing of the hole was 65 degrees, dip minus 46 degrees, elevation approximately 1530 m, *SEE - 89 (DC.)*

[Note: Two further holes were drilled <u>after</u> the anniversary date of the claims, Sept. 30, 1987. For this reason, data on these holes and costs associated with these holes (including demobilization) have not been incorporated into this report.],

### b. Core geochemistry

Drill core was flown out of the property and logged by geologist Ken Konkin in a warehouse in Stewart rented by Teuton Resources Corp. Extreme weather conditions and lack of permanent building facilities at the drillsite necessitated this move. [The core will be returned to the site in the 1987 field season after construction of a suitable shack in a location free from slides.]

The core was split in the warehouse yielding 41 samples averaging approximately 1.5 m of core per sample. These samples were shipped to Acme Analytical Laboratories and assayed for

gold values by routine atomic absorption methods. All of the core was sampled.

Rock type encountered from 1.8 meters (end of casing) to 61.1 meters (end of hole) can be classed generally as skarned volcanics. More specifically, rock observed in core consisted of weak to strongly skarned, silicified and dolomitic crystal-lithic tuffs. Skarn mineralization consisted of diopside, epidote, specular hematite, calcite, and chlorite; sulphide minerals predominantly pyrite with trace chalcopyrite. Minor quartz-calcite veinlets, vugs and limonite were in evidence along fracture planes and shears. More detailed information is contained in the drill logs appended to this report by K. Konkin of E.R. Kruchkowski Consulting Ltd. (Appendix IV).

Highest gold value obtained in the core was from sample #26227 representing the interval from 41.2m to 43.0m (1.8 m). This returned 1820 ppb gold or 0.053 oz/ton gold.

A review of the drill logs (see Appendix) and assay data shows a rough correlation between gold values and pyrite content. It also appears that the massive, coarse-grained pyrite is associated with the higher gold values.

Because of the limited data set, it was not possible to define statistically threshold and anomalous levels for gold content. It is noteworthy, however, that 18 of the 41 samples (about 44%) returned values in excess of 200 ppb. Gold values above 200 ppb are generally considered anomalous in the Stewart region.

Significantly, the native gold-bearing, limonitic zone exposed on surface in the gold pit was not encountered by Hole 87-1, nor was the abundant chalcopyrite (+ azurite/malachite) mineralization associated with it.

## E. Conclusions

A routine rock/silt geochemical survey resulted in the discovery of a high-grade gold mineral occurrence on the TR 8 claim. Follow-up surface work isolated another highly auriferous occurrence about 30 m distant in a similar geological setting. Encouraging values, ranging from weakly to highly anomalous in gold, were also obtained in a suite of samples taken up to 600 m from the discovery point. An early snowfall unfortunately precluded a more comprehensive surface investigation in 1987.

Diamond drilling to test for a downward extension of the coarse gold-bearing mineralization exposed in the Gold Pit in the Konkin Gold Zone was unsuccessful in this regard. It is possible that this extension was intersected but not recovered in drill

core: critical sections of the core, particularly those parts containing massive sulfides (pyrite), showed very poor recovery--as low as 10%. Another proposed explanation is that the gold pit mineralization has a cigar-like structure, making it tricky to intersect with only a few holes.

It is instructive to note however that the hole did encounter substantial intervals containing anomalous gold values (above 200 ppb). Since the surface high-grade showings appear to be bracketed by zones of lower-grade to anomalous values, it may be that the hole passed to one side of a hypothesized downward projection of the gold pit mineralization.

In any event, so little is known about this occurrence it seems premature to make elaborate conjectures. Much more surface work should be undertaken to determine limits and attitude of the auriferous zone(s). Surface trenching across the complete width of the known skarn exposures should be undertaken at regular intervals. This should also include removal of overburden in intervening areas. Detailed sampling and geological mapping, possibly with some bulk sampling of the high-grade zones, should follow.

Results from the reconnaissance geochemical program also suggest that the TR 5- TR 8 alteration zones may be similar to, or an extension of, the broad alteration zones characterized by unusually high background gold values on Newhawk-Granduc's Sulphurets gold-silver property, adjoining the TR#1 Group to the south. Potential for large tonnage, lower grade bodies as well as low tonnage, high grade bodies is indicated. A rock geochem survey should be undertaken to cover outcrops exposed on the nunatak extending southwest-northeast along the TR 9, 8 and 5 claims. Average grid density should be 25 meters, tightened up in promising areas. Anomalies should be trenched and mapped.

Some follow-up work is also warranted for the float boulders and the anomalous sericite schist sample discovered on the TR 5 claim.

Respectfully submitted:

D. Cremonese, P.Eng.
December 28, 1987

# APPENDIX I -- WORK COST STATEMENT

A. Period Aug. 16-24 Rock and silt geochemical sampling and minor geology

| | | |
|---|---|---|
| Field Personnel: | | |
| K. Konkin, Geologist -- Aug. 17,18,19 | | |
| 3 days @ $220/day | $ | 660 |
| I. Hayton, Assistant -- Aug. 17,18,19 | | |
| 3 days @ $165/day | | 495 |
| Field Supervision: E.R. Kruchkowski, Geologist | | |
| 25%** of 1 day @ $330/day | | 83 |
| Helicopter -- Vancouver Island Hel. (Catear Base) | | |
| Mob/demob camp & pesonnel, crew drop-offs/pick-ups | | |
| 2.5 hrs. @ $571.50 $1429 | | |
| 4.4 hrs. @ $588.75 $2590 | | |
| 25%** of $4019 | | 1005 |
| **prorate with work going on simultaneously on adjacent TR #2 Group | | |
| Food -- 6 man-days @ $25/man-day | | 150 |
| Camp equipment rental (generator, radios, tents etc.) | | |
| 25% of 9 man-days @ $30/man-day | | 68 |
| Supplies (plywood and 2 by 4s for tent frames, plastic sample bags, gasoline, diesel etc. | | |
| 25% of $240 | | 60 |
| Sample transport | | |
| 25% of $200 | | 50 |
| Assays -- Acme Analytical | | |
| Geochem Au, I.C.P. and rock sample preparation | | |
| 2 @ $13.25/sample | | 26 |
| Geochem Au & Ag, and rock sample preparation | | |
| 36 @ $9.50 | | 342 |
| Geochem Au & Ag, and silt sample preparation | | |
| 3 @ $ $7.25 | | 22 |
| Share of Project Support Costs: | | |
| Personnel: mob/demob (Calgary-Catear), Catear base camp set-up | | |
| Supplies, transportation, equipment rental, truck rental, radio, wood frames, helicopter mob/demob, accommodation, etc. | | |
| 25% of estimated $1000 | | 250 |
| Sub-total ..... | $ | 3211 |

B. Period (Sept. 7-29, 1987) Minor rock geochemical sampling, blast trenching, helicopter pad construction, drill pad construction; mobilization by helicopter of drill, drill supplies, core boxes, etc., drill shack, cook and sleeping tents; diamond drilling of Hole 87-1; drill supervision and core logging.

Field personnel:

| | |
|---|---|
| E.R. Kruchkowski, Project Geologist Sept. 7, 1987 | |
| 1 day @ $330/day | 330 |
| D. Cremonese, P.Eng. Sept. 7, 1987 | |
| 1 day @ $300/day | 300 |
| K. Konkin, Geologist Sept. 9, 10, 23-29 incl. | |
| 9 days @ $220/day | 1980 |
| G. Sinden, Geol. Technologist Sept. 13 | |
| 1 day $181.50 | 181 |
| D. Sloan, Assistant Sept. 13, 24 | |
| 2 days @ $110 | 220 |
| B. Johannson Sept. 24 | |
| 1 day @ $110 | 110 |

Helicopter: V.I.H. from Catear Base, various machines (mobilization of drill and camp, personnel transport, and supplies --no demob costs included)

| | |
|---|---|
| 0.7 hrs @ $571.50/hr. | 400 |
| 2.6 hrs @ $588.75/hr. | 1531 |
| 13.4 hrs @ $654.50/hr. | 8770 |

| | |
|---|---|
| Food: -- 15 days @ $30/man-day | 450 |
| Camp equipment rental (generator, radios, three tents, etc.) 7 days @ $50/day | 350 |
| Supplies: plywood, 2 by 4's, diesel, gasoline, etc. | 320 |

Assays:

| | |
|---|---|
| Rock geochem: Au, I.C.P., plus preparation charge | |
| 9 @ $13.25/sample | 119 |
| Core geochem: Au, plus preparation charge | |
| 41 @ $7.25/sample | 297 |

DRILL CONTRACT (D.W. Coates Enterprises): HOLE 87-1

| | |
|---|---|
| Drilling detail--61.1m @ $83.88/m | 5125 |
| Reaming/hole stabilization--32 labor hrs @ $28.50 | 912 |
| --14 drill hrs @ $28.00 | 392 |
| Reaming/hole stabilization: materials consumed, including drill bits, rods, polymer, grease, etc. | 2979 |
| Mobilization charges--53 labor hrs @ $28.50 | 1510 |
| --1.5 drill hrs @ $28.00 | 42 |
| Mobilization materials: rods for anchor | 216 |

| | |
|---|---|
| Maintaining water lines: 4 labor hrs @ $28.50 | 114 |
| Re-align drill/set-up: 5.5 labor hrs @ $28.50 | 157 |
| Core boxes | 85 |
| Standby rate (waiting for helicopter) 27 labor hrs @ $27.5 | 742 |
| Crew batching bonus: 6 days @ $200/day | 1200 |
| Camp work and repairs: 8 labor hrs @ $28.50 | 228 |
| Sub-Total ..... | $ 29060 |

C. Report Costs

| | |
|---|---|
| Report and map preparation, compilation and research D. Cremonese, P.Eng., 2 days @ $300/day | 600 |
| Draughting -- F. Chong | 308 |
| Word Processor - 5 hrs. @ $25/hr. | 125 |
| Copies, report, jackets, maps, etc. | 70 |
| Sub-Total ..... | $ 1103 |
| **GRAND TOTAL.....** | **$33,374** |

Work filed per Statement of Exploration and Development dated Sept. 30, 1987 ..... $19,200

Extra [To be added to PAC account of Teuton Resources Corp. if possible]** ..... $14,174

**Not requested at time of filing of Statement because of lack of complete information re costs.

## APPENDIX II - CERTIFICATE

I, Dino M. Cremonese, do hereby certify that:

1. I am a mineral property consultant with an office at Suite 200-675 W. Hastings, Vancouver, B.C.

2. I am a graduate of the University of British Columbia (B.A.Sc. in metallurgical engineering, 1972, and L.L.B., 1979).

3. I am a Professional Engineer registered with the Association of Professional Engineers of the Province of British Columbia as a resident member, #13876.

4. I have practiced my profession since 1979.

5. This report is based upon work carried out on the TR 4, 5, and 8 mineral claims, Skeena Mining Division in August and September of 1987. Reference to field notes and maps made by geologist Ken Konkin and geol. technologist G. Sinden is acknowledged. I have full confidence in the abilities of all samplers used in the 1987 geochemical program (K. Konkin and G. Sinden have well over 5 years experience each in the Stewart area alone) and am satisfied that all samples were taken properly and with care.

6. I am a principal of Teuton Resources Corp., owner of the TR 4, 5, and 8 claims: this report was prepared solely for satisfying assessment work requirements in accordance with government regulations.

Dated at Vancouver, B.C. this 28th day of December, 1987.

D. Cremonese, P.Eng.

# APPENDIX III

## ASSAY CERTIFICATES

ACME ANALYTICAL LABORATORIES
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE 253-3158 DATA LINE 251-1011

DATE RECEIVED: AUG 25 1987
DATE REPORT MAILED: Sept. 4/87.

# GEOCHEMICAL ICP ANALYSIS

.500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG.C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER. THIS LEACH IS PARTIAL FOR MN FE CA P LA CR MG BA TI B W AND LIMITED FOR NA AND K. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: P1-3 ROCK P4-5 SOIL AU* ANALYSIS BY AA FROM 10 GRAM SAMPLE.

ASSAYER: D. Toye DEAN TOYE, CERTIFIED B.C. ASSAYER

TEUTON RESOURCES File # 87-3608 Page 1

| SAMPLE# | AG PPM | AU* PPB |
|---|---|---|
| ~~KK-200~~ | ~~6.5~~ | ~~2060~~ |
| ~~KK-201~~ | ~~7.6~~ | ~~1040~~ |
| ~~KK-202~~ | ~~1.4~~ | ~~1000~~ |
| ~~KK-203~~ | ~~4.2~~ | ~~1080~~ |
| ~~KK-204~~ | ~~1.8~~ | ~~250~~ |
| ~~KK-205~~ | ~~4.6~~ | ~~500~~ |
| KK-206 | 102.5 | 22500 |
| KK-207 | 17.2 | 6700 |
| KK-208 | 7.0 | 3600 |
| KK-209 | 4.4 | 3600 |
| KK-210 | 267.4 | 890600 |
| KK-212 | 2.6 | 3500 |
| KK-~~211~~216A | 5.8 | 23700 |
| KK-213 | .4 | 224 |
| KK-214 | .9 | 1000 |
| KK-215 | .5 | 230 |
| KK-216 | 2.4 | 700 |
| KK-217 | 3.0 | 1000 |
| KK-218 | 8.1 | 2000 |
| KK-219 | 2.2 | 400 |
| KK-220 | 1.1 | 700 |
| KK-221 | 1.1 | 500 |
| KK-222 | 3.8 | 640 |
| KK-223 | 3.2 | 1600 |
| KK-224 | 19.4 | 2400 |
| KK-225 | 67.2 | 1400 |
| KK-226 | 113.9 | 1980 |
| KK-227 | 5.2 | 600 |
| KK-228 | 1.1 | 24 |
| KK-229 | .1 | 1 |
| KK-230 | .3 | 920 |
| KK-~~231~~236A | .4 | 20 |
| KK-232 | 362.0 | 180 |
| KK-233 | 307.8 | 420 |
| KK-234 | 13.8 | 104 |
| ~~KK-235~~ | ~~8.1~~ | ~~440~~ |
| STD C/AU-R | 7.7 | 480 |

| SAMPLE# | AG PPM | AU* PPB |
|---|---|---|
| KK-236 | 60.4 | 4320 |
| KK-237 | .1 | 1 |
| KK-238 | .3 | 18 |
| KK-239 | .1 | 39 |
| KK-240 | .1 | 1 |
| KK-241 | .3 | 2 |
| KK-242 | .1 | 1 |
| KK-243 | .3 | 1 |
| KK-244 | .1 | 1 |
| KK-245 | .1 | 1 |
| KK-246 | .1 | 1 |
| KK-247 | .1 | 1 |
| KK-248 | .2 | 1 |
| TR-1 | .5 | 55 |
| TR-2 | .2 | 2 |
| TR-3 | .1 | 27 |
| TR-4 | .3 | 6 |
| TR-6 | 1.0 | 14 |
| TR-6A | .3 | 13 |
| TR-7 | .2 | 3 |
| TR-8 | .4 | 1 |
| TR-9 | 1.1 | 1 |
| TR-10 | .1 | 1 |
| TR-11 | .2 | 2 |
| TR-12 | .1 | 1 |
| TR-13 | .1 | 1 |
| TR-14 | .1 | 1 |
| TR-15 | .1 | 1 |
| TR-16 | .1 | 1 |
| TR-17 | .1 | 2 |
| TR-18 | .1 | 1 |
| TR-19 | .6 | 2 |
| TR-20 | .1 | 1 |
| TR-21 | .2 | 1 |
| TR-22 | .4 | 1 |
| TR-23 | .1 | 9 |
| STD C/AU-R | 7.5 | 510 |

Off-property

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS, VANCOUVER B.C.
(604)253-3158 COMPUTER LINE:251-1011

DATE RECEIVED SEPTEMBER 8 1987

DATE REPORTS MAILED Sept 9/87

# ASSAY CERTIFICATE

SAMPLE TYPE : PULP
**** % AU** BY FIRE ASSAY

ASSAYER _____ DEAN TOYE . CERTIFIED B.C. ASSAYER

**TEUTON RESOURCES** FILE# 87-3608 F



| SAMPLE | Ag** oz/t | Au** oz/t |
|---|---|---|
| KF-210 | 3.52 | 0.092 |

| SAMPLE# | AG PPM | AU* PPB | |
|---|---|---|---|
| KKS-01 | 1.0 | 12 | |
| KKS-02 | .8 | 1 | |
| KKS-03 | .1 | 1 | |
| KKS-04 | .1 | 1 | |
| KKS-05 | .2 | 1 | |
| KKS-06 | .1 | 3 | |
| KKS-07 | .1 | 1 | |
| KKS-08 | .1 | 72 | OFF PROPERTY |
| KKS-09 | .3 | 1 | |
| TS-1 | .2 | 1 | |
| TS-2 | .2 | 1 | |
| TS-3 | .2 | 1 | |
| TS-4 | .1 | 13 | |
| TS-5 | .4 | 14 | |
| TS-6 | .2 | 1 | |
| TS-7 | .4 | 11 | |
| TS-8 | .2 | 155 | |
| TS-9 | .5 | 8 | |
| TS-10 | .2 | 115 | |
| TS-11 | .2 | 4 | |
| TS-12 | .1 | 1 | |
| TS-13 | .1 | 1 | |
| TS-14 | .1 | 1 | |
| TS-14A | .1 | 3 | OFF PROPERTY |
| TS-15 | .2 | 1 | |
| TS-16 | .3 | 1 | |
| TS-17 | .2 | 1 | |
| TS-18 | .7 | 5 | |
| TS-19 | .3 | 90 | |
| TS-20 | .4 | 47 | |
| TS-21 | .6 | 23 | |
| TS-22 | .8 | 29 | |
| TS-23 | 1.0 | 110 | |
| TS-24 | 1.0 | 30 | |
| TS-25 | 1.0 | 54 | |
| TS-26 | .9 | 60 | |
| STD C/AU-S | 7.5 | 52 | |

| SAMPLE# | MO PPM | CU PPM | PB PPM | ZN PPM | AG PPM | NI PPM | CO PPM | MN PPM | FE % | AS PPM | U PPM | AU PPM | TH PPM | SR PPM | CD PPM | SB PPM | BI PPM | V PPM | CA % | P % | LA PPM | CR PPM | MG % | BA PPM | TI % | B PPM | AL % | NA % | K % | W PPM | AU* PPB |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DA-1 | 6 | 28403 | 696 | 2863 | 355.0 | 7 | 6 | 16731 | 17.04 | 4709 | 5 | 6 | 1 | 111 | 34 | 6123 | 2 | 4 | 4.73 | .001 | 3 | 2 | .60 | 1 | .01 | 2 | .01 | .02 | .01 | 1 | 6230 |
| DA-2 | 5 | 25879 | 549 | 1623 | 395.1 | 7 | 8 | 16182 | 14.37 | 2916 | 5 | 2 | 1 | 91 | 19 | 3126 | 2 | 4 | 5.29 | .003 | 3 | 1 | .71 | 5 | .01 | 2 | .01 | .02 | .01 | 1 | 5675 |
| FW-1 | 1 | 299 | 184 | 426 | 20.1 | 1 | 1 | 1110 | 1.72 | 48 | 5 | ND | 1 | 50 | 4 | 67 | 2 | 3 | 2.62 | .005 | 2 | 4 | .12 | 67 | .01 | 4 | .04 | .02 | .02 | 1 | 90 |
| FW-2 | 1 | 343 | 70 | 67 | 10.4 | 1 | 4 | 624 | 7.55 | 372 | 5 | ND | 2 | 9 | 1 | 20 | 2 | 68 | .20 | .128 | 3 | 2 | .71 | 101 | .01 | 5 | 1.85 | .02 | .17 | 2 | 330 |
| FW-3 | 9 | 93 | 10948 | 16765 | 100.4 | 7 | 5 | 4235 | 6.01 | 33 | 5 | ND | 1 | 58 | 169 | 56 | 2 | 7 | 3.76 | .053 | 4 | 1 | .12 | 191 | .01 | 8 | .20 | .01 | .11 | 1 | 17 |
| FW-4 | 9 | 56 | 12168 | 20481 | 55.3 | 1 | 2 | 3888 | 3.37 | 23 | 5 | ND | 1 | 788 | 189 | 30 | 2 | 3 | 17.76 | .011 | 7 | 1 | .32 | 49 | .01 | 2 | .13 | .01 | .03 | 1 | 505 |
| FW-5 | 14 | 8 | 17090 | 36009 | 86.2 | 2 | 3 | 5183 | 6.11 | 22 | 5 | ND | 1 | 471 | 339 | 61 | 2 | 2 | 11.84 | .001 | 7 | 1 | 1.16 | 20 | .01 | 2 | .01 | .01 | .02 | 10 | 33 |
| FW-6 | 9 | 71 | 7601 | 17624 | 69.1 | 6 | 4 | 4254 | 5.33 | 23 | 5 | ND | 1 | 149 | 184 | 54 | 2 | 7 | 6.86 | .033 | 4 | 1 | .38 | 88 | .01 | 2 | .18 | .01 | .09 | 1 | 8 |
| FW-7 | 2 | 43 | 405 | 656 | 5.8 | 5 | 5 | 447 | 1.30 | 11 | 5 | ND | 1 | 11 | 6 | 4 | 2 | 13 | .25 | .040 | 3 | 4 | .29 | 65 | .01 | 3 | .63 | .02 | .13 | 1 | 1220 |
| FW-8 | 2 | 67 | 338 | 880 | 3.1 | 3 | 7 | 2481 | 4.26 | 22 | 5 | ND | 1 | 340 | 6 | 7 | 2 | 15 | 5.03 | .117 | 5 | 2 | .80 | 129 | .01 | 6 | .35 | .02 | .21 | 1 | 9 |
| FW-9 | 2 | 7 | 22 | 70 | .8 | 3 | 4 | 3135 | 4.88 | 35 | 5 | ND | 1 | 395 | 1 | 2 | 2 | 12 | 6.03 | .060 | 2 | 2 | 1.01 | 42 | .01 | 2 | .15 | .01 | .09 | 1 | 28 |
| FW-10 | 2 | 12 | 25 | 130 | .8 | 2 | 4 | 2873 | 5.45 | 27 | 5 | ND | 1 | 540 | 1 | 2 | 2 | 13 | 7.92 | .051 | 2 | 1 | 1.23 | 61 | .01 | 3 | .16 | .01 | .10 | 1 | 3 |
| FW-11 | 3 | 178 | 46 | 391 | 6.5 | 5 | 15 | 919 | 8.38 | 147 | 5 | ND | 1 | 66 | 4 | 8 | 2 | 25 | 1.83 | .141 | 3 | 2 | .56 | 5 | .01 | 5 | .64 | .04 | .20 | 1 | 23 |
| FW-12 | 2 | 78 | 20 | 67 | 1.0 | 3 | 10 | 673 | 3.83 | 31 | 5 | ND | 1 | 79 | 1 | 6 | 2 | 20 | 1.07 | .124 | 4 | 1 | .32 | 137 | .01 | 6 | .43 | .03 | .23 | 1 | 16 |
| KK-288 | 4 | 12 | 55 | 76 | .8 | 3 | 10 | 379 | 5.44 | 107 | 5 | ND | 1 | 16 | 1 | 2 | 2 | 74 | .33 | .151 | 3 | 1 | .74 | 9 | .01 | 6 | .78 | .03 | .19 | 1 | 192 |
| KK-289 | 4 | 67 | 320 | 377 | 1.5 | 3 | 13 | 651 | 8.70 | 64 | 5 | ND | 2 | 10 | 4 | 2 | 2 | 125 | .35 | .164 | 4 | 3 | .87 | 6 | .01 | 2 | 1.40 | .03 | .08 | 1 | 420 |
| KK-290 | 3 | 790 | 40 | 139 | 8.6 | 6 | 13 | 2766 | 15.22 | 409 | 5 | ND | 2 | 88 | 1 | 2 | 2 | 53 | 9.14 | .054 | 4 | 15 | 1.43 | 15 | .04 | 2 | 1.69 | .01 | .03 | 59 | 2590 |
| KK-291 | 2 | 7028 | 32 | 85 | 48.4 | 4 | 12 | 709 | 38.69 | 229 | 5 | 66 | 3 | 16 | 1 | 10 | 2 | 17 | .37 | .024 | 2 | 1 | .37 | 2 | .02 | 2 | .51 | .02 | .03 | 23 | 77400 |
| KK-292 | 5 | 358 | 32 | 48 | 6.4 | 2 | 13 | 1086 | 21.22 | 385 | 5 | 2 | 2 | 63 | 1 | 5 | 2 | 76 | .73 | .088 | 3 | 5 | .65 | 16 | .11 | 2 | 1.00 | .03 | .04 | 54 | 3040 |
| KK-293 | 3 | 4375 | 52 | 134 | 19.8 | 11 | 14 | 2531 | 14.57 | 221 | 5 | 2 | 2 | 122 | 1 | 3 | 2 | 41 | 5.47 | .067 | 5 | 10 | 1.32 | 6 | .08 | 2 | 1.64 | .02 | .02 | 21 | 3860 |
| KK-294 | 3 | 291 | 41 | 42 | 14.5 | 4 | 28 | 672 | 35.28 | 461 | 5 | 24 | 4 | 41 | 1 | 9 | 10 | 24 | .36 | .021 | 2 | 5 | .27 | 2 | .03 | 3 | .46 | .02 | .03 | 109 | 36200 |
| KK-295 | 4 | 1476 | 28 | 38 | 120.7 | 1 | 5 | 450 | 32.63 | 301 | 5 | 611 | 4 | 11 | 1 | 2 | 2 | 60 | .21 | .052 | 2 | 3 | .11 | 42 | .03 | 6 | .40 | .02 | .07 | 15 | 336400 |
| KK-296 | 2 | 138 | 2473 | 783 | 135.2 | 3 | 1 | 40 | 1.22 | 79 | 7 | ND | 1 | 3 | 6 | 78 | 2 | 4 | .01 | .015 | 2 | 6 | .02 | 58 | .01 | 5 | .13 | .01 | .10 | 2 | 630 |
| KK-297 | 2 | 64 | 30 | 438 | .7 | 4 | 7 | 1615 | 3.98 | 50 | 5 | ND | 1 | 134 | 5 | 13 | 2 | 17 | 4.66 | .096 | 5 | 1 | .44 | 126 | .01 | 7 | .32 | .01 | .11 | 1 | 445 |
| KK-298 | 1 | 11 | 33 | 23 | 1.4 | 3 | 3 | 1259 | 3.20 | 19 | 5 | ND | 1 | 245 | 1 | 2 | 2 | 14 | 4.52 | .076 | 2 | 3 | .62 | 72 | .01 | 5 | .25 | .02 | .16 | 2 | 25 |
| KK-299 | 2 | 14 | 343 | 34 | 2.3 | 2 | 5 | 1097 | 3.25 | 67 | 5 | ND | 1 | 35 | 1 | 7 | 2 | 15 | 3.80 | .049 | 3 | 1 | .09 | 79 | .01 | 4 | .27 | .02 | .15 | 2 | 40 |
| KK-300 | 2 | 196 | 17606 | 2598 | 248.2 | 1 | 1 | 634 | 1.47 | 2 | 7 | ND | 1 | 4 | 131 | 4528 | 2 | 1 | .01 | .001 | 2 | 1 | .01 | 9 | .01 | 2 | .01 | .01 | .01 | 2 | 178 |
| KK-301 | 1 | 509 | 1269 | 360 | 11.1 | 3 | 3 | 122 | 5.70 | 415 | 5 | ND | 2 | 11 | 1 | 2 | 2 | 35 | .07 | .090 | 4 | 3 | .35 | 133 | .01 | 3 | 1.14 | .01 | .16 | 1 | 335 |
| KK-302 | 17 | 53 | 11387 | 61 | 56.0 | 1 | 4 | 270 | 4.51 | 27 | 5 | ND | 2 | 20 | 2 | 43 | 2 | 34 | .11 | .136 | 5 | 4 | .52 | 140 | .01 | 3 | .90 | .03 | .23 | 2 | 23 |
| KK-303 | 1 | 63 | 39 | 63 | .4 | 3 | 6 | 637 | 7.50 | 10 | 5 | ND | 2 | 25 | 1 | 2 | 2 | 185 | .51 | .141 | 5 | 10 | 1.55 | 45 | .01 | 4 | 1.93 | .07 | .10 | 1 | 5 |
| KK-304 | 2 | 113 | 1766 | 1543 | 13.9 | 7 | 12 | 1343 | 4.73 | 39 | 5 | ND | 1 | 116 | 32 | 13 | 2 | 99 | 3.93 | .146 | 6 | 8 | 1.13 | 192 | .01 | 2 | 1.37 | .05 | .16 | 1 | 7 |
| KK-305 | 2 | 51 | 15960 | 1593 | 167.4 | 3 | 5 | 616 | 3.02 | 140 | 5 | ND | 1 | 48 | 15 | 77 | 2 | 15 | 1.11 | .179 | 5 | 2 | .08 | 110 | .01 | 6 | .40 | .02 | .22 | 1 | 16 |
| KK-306 | 9 | 916 | 17978 | 18369 | 157.9 | 5 | 11 | 934 | 3.57 | 110 | 5 | ND | 1 | 182 | 220 | 72 | 2 | 13 | 2.58 | .165 | 4 | 1 | .62 | 74 | .01 | 8 | .43 | .03 | .24 | 1 | 12 |
| KK-307 | 2 | 128 | 1460 | 761 | 24.1 | 6 | 13 | 1720 | 5.20 | 47 | 5 | ND | 2 | 184 | 7 | 38 | 2 | 26 | 4.83 | .148 | 5 | 4 | .44 | 142 | .04 | 7 | .45 | .02 | .20 | 1 | 15 |
| KK-308 | 8 | 302 | 9860 | 17650 | 204.2 | 3 | 10 | 2510 | 5.16 | 53 | 5 | ND | 1 | 229 | 158 | 168 | 2 | 17 | 5.61 | .123 | 4 | 1 | .79 | 92 | .01 | 4 | .55 | .02 | .17 | 1 | 12 |
| KK-309 | 2 | 2368 | 487 | 1667 | 30.8 | 4 | 57 | 356 | 14.82 | 3009 | 5 | 3 | 2 | 2 | 18 | 43 | 9 | 29 | .02 | .016 | 2 | 1 | .37 | 2 | .01 | 2 | .68 | .02 | .04 | 1 | 4760 |
| STD C/AU-R | 18 | 59 | 41 | 128 | 7.6 | 67 | 27 | 1028 | 3.89 | 39 | 21 | 6 | 37 | 50 | 18 | 18 | 17 | 56 | .46 | .087 | 38 | 58 | .82 | 177 | .08 | 33 | 1.76 | .08 | .16 | 10 | 490 |

TETRAHEDRITE VEIN

KONKIN GOLD ZONE

* ASSAY REQUIRED FOR CORRECT RESULT for Cu, Pb > 10,000 ppm
Zn > 20,000 ppm
Ag > 35 ppm

ACME ANALYTICAL LABORATORIES 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE 253-3158 DATA LINE 251-1011

# GEOCHEMICAL ICP ANALYSIS

.500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG.C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE CA P LA CR MG BA TI B W AND LIMITED FOR NA AND K. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: P1-3 ROCK P4-5 SILT AU* ANALYSIS BY AA FROM 10 GRAM SAMPLE.

Silts -40 MESH, PULPS GRIND

DATE RECEIVED: SEPT 12 1987 DATE REPORT MAILED: Sept 26/87 ASSAYER. D. Toye .DEAN TOYE. CERTIFIED B.C. ASSAYER

TEUTON RESOURCES File # 87-4101 Page 1

| SAMPLE# | MO PPM | CU PPM | PB PPM | ZN PPM | AG PPM | NI PPM | CO PPM | MN PPM | FE % | AS PPM | U PPM | AU PPM | TH PPM | SR PPM | CD PPM | SB PPM | BI PPM | V PPM | CA % | P % | LA PPM | CR PPM | MG % | BA PPM | TI % | B PPM | AL % | NA % | K % | W PPM | AU* PPB |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| IH-01 | 1 | 19 | 19 | 175 | .6 | 25 | 6 | 732 | 3.01 | 22 | 5 | ND | 2 | 293 | 2 | 13 | 3 | 6 | 4.37 | .028 | 3 | 16 | .93 | 1147 | .01 | 4 | .11 | .01 | .08 | 1 | 1 |
| IH-02 | 1 | 22 | 149 | 87 | .7 | 29 | 5 | 707 | 3.12 | 40 | 5 | ND | 2 | 415 | 2 | 9 | 2 | 8 | 5.04 | .019 | 2 | 18 | 1.24 | 433 | .01 | 7 | .13 | .01 | .08 | 1 | 1 |
| IH-03 | 15 | 12 | 6 | 266 | .7 | 6 | 1 | 73 | .58 | 13 | 5 | ND | 1 | 6 | 3 | 7 | 2 | 12 | .11 | .003 | 2 | 4 | .01 | 93 | .01 | 2 | .05 | .01 | .03 | 1 | 7 |
| IH-04 | 2 | 46 | 17 | 36 | .4 | 5 | 6 | 935 | 3.86 | 8 | 5 | ND | 1 | 668 | 1 | 2 | 2 | 82 | 15.88 | .074 | 4 | 15 | 3.18 | 86 | .01 | 2 | .25 | .01 | .04 | 2 | 1 |
| IH-05 | 11 | 82 | 2 | 1658 | .7 | 15 | 1 | 57 | .85 | 34 | 5 | ND | 1 | 12 | 20 | 5 | 2 | 16 | .16 | .010 | 2 | 5 | .01 | 15 | .01 | 6 | .05 | .01 | .03 | 1 | 12 |
| IH-06 | 1 | 50 | 11 | 33 | .3 | 3 | 5 | 1977 | 2.56 | 3 | 5 | ND | 1 | 550 | 1 | 3 | 2 | 68 | 24.07 | .056 | 9 | 12 | .70 | 33 | .01 | 2 | .62 | .01 | .02 | 2 | 1 |
| IH-07 | 1 | 36 | 2 | 32 | .3 | 5 | 6 | 712 | 2.90 | 128 | 5 | ND | 1 | 834 | 2 | 2 | 2 | 53 | 18.14 | .063 | 3 | 4 | 5.86 | 93 | .01 | 7 | .19 | .01 | .05 | 3 | 7 |
| IH-08 | 1 | 64 | 7 | 36 | .2 | 4 | 7 | 769 | 3.75 | 5 | 5 | ND | 1 | 674 | 1 | 2 | 2 | 56 | 13.81 | .076 | 4 | 7 | 4.25 | 76 | .01 | 3 | .31 | .01 | .06 | 1 | 1 |
| IH-09 | 1 | 105 | 4 | 55 | .4 | 8 | 7 | 594 | 3.67 | 11 | 5 | ND | 1 | 500 | 1 | 2 | 2 | 75 | 11.41 | .088 | 6 | 14 | 3.71 | 87 | .01 | 7 | .28 | .02 | .04 | 2 | 2 |
| KK-24Y | 3 | 30 | 21 | 79 | .7 | 2 | 14 | 934 | 5.95 | 7 | 6 | ND | 3 | 17 | 2 | 2 | 2 | 113 | .91 | .073 | 5 | 10 | 1.17 | 24 | .27 | 5 | 2.03 | .04 | .02 | 1 | 2 |
| KK-250 | 4 | 33 | 12 | 78 | .3 | 2 | 9 | 898 | 4.93 | 21 | 5 | ND | 2 | 33 | 1 | 4 | 2 | 64 | 1.11 | .088 | 10 | 9 | .75 | 60 | .05 | 2 | 1.38 | .03 | .06 | 1 | 5 |
| KK-251 | 8 | 13 | 20 | 38 | .2 | 3 | 2 | 99 | 3.86 | 49 | 5 | ND | 3 | 17 | 2 | 6 | 2 | 7 | .06 | .035 | 9 | 5 | .05 | 378 | .01 | 9 | .32 | .06 | .10 | 1 | 2 |
| KK-252 | 1 | 23 | 12 | 78 | .2 | 3 | 3 | 96 | 5.18 | 17 | 5 | ND | 3 | 22 | 1 | 5 | 2 | 14 | .68 | .207 | 10 | 5 | .07 | 21 | .01 | 9 | .41 | .05 | .19 | 1 | 1 |
| KK-253 | 3 | 26 | 10 | 117 | .2 | 4 | 4 | 185 | 4.64 | 11 | 5 | ND | 2 | 12 | 1 | 3 | 2 | 18 | .41 | .187 | 10 | 7 | .11 | 29 | .01 | 10 | .45 | .07 | .14 | 1 | 1 |
| KK-254 | 2 | 6 | 15 | 24 | .2 | 2 | 1 | 37 | 1.43 | 14 | 5 | ND | 4 | 4 | 1 | 2 | 2 | 2 | .01 | .005 | 21 | 2 | .01 | 52 | .01 | 2 | .14 | .03 | .09 | 2 | 2 |
| KK-255 | 2 | 22 | 14 | 38 | .3 | 1 | 1 | 118 | 5.38 | 23 | 5 | ND | 4 | 5 | 1 | 3 | 2 | 3 | .01 | .027 | 24 | 5 | .22 | 53 | .01 | 3 | .88 | .04 | .08 | 2 | 1 |
| KK-256 | 2 | 59 | 2 | 97 | .3 | 73 | 20 | 1420 | 6.31 | 92 | 5 | ND | 1 | 126 | 1 | 4 | 2 | 56 | 2.82 | .081 | 3 | 74 | 3.81 | 41 | .01 | 3 | .54 | .01 | .13 | 1 | 1 |
| KK-257 | 1 | 9 | 17 | 3 | .1 | 2 | 2 | 40 | 1.88 | 4 | 5 | ND | 1 | 37 | 1 | 2 | 2 | 14 | .15 | .068 | 3 | 3 | .04 | 36 | .15 | 2 | .23 | .03 | .14 | 1 | 6 |
| KK-258 | 1 | 10 | 9 | 13 | .3 | 1 | 2 | 64 | 2.57 | 5 | 5 | ND | 2 | 14 | 2 | 3 | 2 | 10 | .23 | .094 | 3 | 3 | .05 | 120 | .13 | 2 | .31 | .03 | .16 | 1 | 1 |
| KK-259 | 1 | 50 | 13 | 52 | .4 | 28 | 6 | 825 | 3.40 | 120 | 5 | ND | 1 | 564 | 1 | 5 | 2 | 29 | 11.10 | .052 | 6 | 23 | 2.65 | 67 | .01 | 5 | .29 | .01 | .06 | 1 | 4 |
| KK-260 | 1 | 21 | 6 | 20 | .2 | 10 | 4 | 623 | 2.26 | 30 | 5 | ND | 1 | 719 | 1 | 2 | 2 | 26 | 15.97 | .037 | 3 | 10 | 4.73 | 117 | .01 | 2 | .18 | .01 | .05 | 2 | 2 |
| KK-261 | 1 | 23 | 4 | 18 | .1 | 5 | 4 | 467 | 2.14 | 11 | 5 | ND | 1 | 773 | 1 | 2 | 2 | 20 | 18.65 | .043 | 2 | 3 | 5.54 | 122 | .01 | 2 | .19 | .01 | .06 | 3 | 1 |
| KK-261A | 1 | 2 | 2 | 1 | .1 | 1 | 1 | 262 | .90 | 2 | 5 | ND | 1 | 891 | 1 | 2 | 2 | 3 | 24.84 | .002 | 2 | 1 | 5.46 | 101 | .01 | 7 | .05 | .01 | .01 | 4 | 1 |
| KK-263 | 7 | 105 | 17 | 64 | .6 | 8 | 16 | 787 | 8.93 | 7 | 5 | ND | 3 | 56 | 1 | 2 | 2 | 204 | 1.59 | .148 | 7 | 20 | 1.55 | 20 | .22 | 3 | 1.35 | .03 | .04 | 1 | 1 |
| KK-264 | 4 | 13 | 16 | 48 | .1 | 4 | 3 | 101 | 2.77 | 21 | 5 | ND | 1 | 32 | 1 | 4 | 2 | 4 | .77 | .040 | 4 | 5 | .12 | 39 | .01 | 5 | .14 | .03 | .11 | 1 | 1 |
| KK-265 | 1 | 11 | 2 | 31 | .1 | 2 | 1 | 388 | .84 | 2 | 5 | ND | 1 | 646 | 1 | 2 | 2 | 6 | 8.80 | .009 | 2 | 5 | .20 | 14 | .01 | 2 | .20 | .01 | .02 | 1 | 2 |
| KK-265A | 2 | 91 | 16 | 92 | .6 | 3 | 4 | 322 | 4.30 | 19 | 5 | ND | 3 | 15 | 2 | 7 | 2 | 79 | .21 | .111 | 8 | 24 | .86 | 146 | .01 | 4 | 1.47 | .01 | .13 | 1 | 3 |
| KK-267 | 3 | 8 | 2 | 42 | .3 | 6 | 1 | 54 | .70 | 23 | 5 | ND | 1 | 15 | 1 | 2 | 2 | 5 | .20 | .007 | 2 | 3 | .01 | 18 | .01 | 4 | .04 | .01 | .02 | 1 | 4 |
| KK-268 | 1 | 52 | 11 | 23 | .2 | 12 | 2 | 84 | 1.94 | 54 | 5 | ND | 1 | 17 | 1 | 4 | 2 | 2 | .35 | .007 | 2 | 5 | .08 | 10 | .01 | 2 | .07 | .01 | .04 | 1 | 43 |
| KK-269 | 1 | 5 | 2 | 4 | .1 | 1 | 1 | 552 | 2.16 | 18 | 5 | ND | 1 | 863 | 1 | 2 | 2 | 7 | 21.49 | .003 | 2 | 1 | 6.84 | 90 | .01 | 11 | .07 | .01 | .01 | 3 | 1 |
| KK-270 | 3 | 154 | 20 | 41 | .3 | 8 | 11 | 846 | 4.83 | 11 | 5 | ND | 2 | 226 | 1 | 2 | 2 | 134 | 4.69 | .156 | 8 | 16 | 1.54 | 26 | .01 | 9 | .63 | .03 | .10 | 1 | 2 |
| KK-271 | 3 | 76 | 5 | 47 | .3 | 7 | 12 | 1054 | 4.53 | 60 | 5 | ND | 1 | 429 | 1 | 2 | 2 | 120 | 13.74 | .097 | 5 | 15 | 2.71 | 60 | .05 | 7 | .70 | .02 | .04 | 2 | 3 |
| KK-272 | 2 | 111 | 9 | 51 | .5 | 7 | 14 | 1125 | 5.54 | 15 | 5 | ND | 1 | 346 | 1 | 3 | 2 | 100 | 10.56 | .131 | 6 | 15 | 3.03 | 53 | .01 | 4 | .46 | .01 | .04 | 1 | 2 |
| KK-273 | 17 | 97 | 11 | 51 | .3 | 6 | 12 | 857 | 19.55 | 18 | 5 | ND | 2 | 45 | 1 | 15 | 2 | 121 | 1.67 | .077 | 4 | 18 | .79 | 10 | .01 | 2 | .79 | .02 | .04 | 1 | 2 |
| KK-274 | 1 | 4 | 75 | 1 | .5 | 1 | 1 | 34 | .45 | 52 | 5 | ND | 7 | 5 | 1 | 3 | 3 | 1 | .05 | .004 | 13 | 2 | .02 | 117 | .01 | 4 | .14 | .01 | .13 | 1 | 2 |
| STD C/AU-R | 19 | 58 | 38 | 132 | 6.9 | 64 | 26 | 1017 | 3.97 | 36 | 25 | 7 | 37 | 48 | 18 | 18 | 21 | 55 | .46 | .085 | 35 | 63 | .83 | 174 | .07 | 33 | 1.73 | .06 | .12 | 14 | 505 |

OFF PROPERTY

| SAMPLE# | MO PPM | CU PPM | PB PPM | ZN PPM | AG PPM | NI PPM | CO PPM | MN PPM | FE % | AS PPM | U PPM | AU PPM | TH PPM | SR PPM | CD PPM | SB PPM | BI PPM | V PPM | CA % | P % | LA PPM | CR PPM | MG % | BA PPM | TI % | B PPM | AL % | NA % | K % | W PPM | AU1 PPB |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KK-310 | 1 | 3374 | 908 | 1885 | 81.1 | 6 | 78 | 661 | 19.54 | 11587 | 12 | 3 | 2 | 44 | 17 | 212 | 30 | 32 | 1.86 | .019 | 2 | 5 | .33 | 7 | .01 | 2 | .69 | .03 | .03 | 1 | 4810 |
| KK-311 | 1 | 488 | 487 | 472 | 18.3 | 3 | 34 | 1337 | 13.92 | 1720 | 5 | ND | 2 | 13 | 4 | 5 | 9 | 52 | 1.03 | .031 | 2 | 2 | .61 | 9 | .01 | 3 | 1.12 | .04 | .03 | 2 | 2420 |
| KK-312 | 1 | 1052 | 564 | 1457 | 28.1 | 5 | 64 | 217 | 23.92 | 3565 | 7 | 4 | 2 | 2 | 15 | 29 | 11 | 25 | .03 | .013 | 2 | 1 | .25 | 2 | .01 | 2 | .45 | .01 | .02 | 1 | 5515 |
| KK-313 | 4 | 1262 | 734 | 8512 | 37.2 | 4 | 311 | 847 | 13.69 | 8923 | 5 | 3 | 2 | 3 | 92 | 299 | 56 | 52 | .12 | .028 | 2 | 1 | .84 | 10 | .01 | 2 | 1.56 | .02 | .01 | 1 | 3940 |
| KK-314 | 1 | 1015 | 2144 | 253 | 155.3 | 7 | 194 | 28 | 30.87 | 34945 | 19 | 8 | 3 | 2 | 2 | 875 | 91 | 11 | .01 | .010 | 2 | 1 | .03 | 3 | .01 | 2 | .09 | .01 | .02 | 2 | 11420 |
| KK-315 | 1 | 237 | 1583 | 1020 | 44.2 | 5 | 62 | 25 | 24.54 | 4218 | 5 | 6 | 2 | 2 | 11 | 42 | 45 | 4 | .01 | .003 | 2 | 1 | .03 | 3 | .01 | 2 | .02 | .01 | .02 | 2 | 7990 |
| KK-316 | 6 | 1566 | 532 | 11890 | 22.2 | 6 | 109 | 1263 | 10.62 | 3270 | 5 | ND | 1 | 4 | 132 | 72 | 19 | 66 | .20 | .033 | 2 | 6 | 1.32 | 7 | .01 | 2 | 2.39 | .02 | .01 | 1 | 1805 |
| KK-317 | 1 | 2359 | 960 | 1822 | 23.3 | 5 | 15 | 1035 | 10.51 | 675 | 5 | ND | 1 | 4 | 17 | 2 | 5 | 56 | .19 | .063 | 2 | 4 | .99 | 21 | .01 | 4 | 2.44 | .02 | .03 | 1 | 780 |
| KK-318 | 3 | 1649 | 903 | 2320 | 14.4 | 5 | 15 | 990 | 9.12 | 714 | 5 | ND | 1 | 6 | 25 | 2 | 9 | 51 | .22 | .043 | 2 | 6 | .94 | 7 | .01 | 2 | 2.09 | .02 | .07 | 1 | 720 |
| KK-319 | 13 | 20561 | 18421 | 28347 | 294.4 | 2 | 6 | 6018 | 16.46 | 492 | 5 | ND | 3 | 28 | 310 | 15681 | 2 | 15 | .49 | .038 | 2 | 1 | .15 | 49 | .01 | 2 | .26 | .02 | .09 | 1 | 1905 |
| KK-320 | 3 | 105 | 422 | 1768 | 12.9 | 4 | 11 | 1552 | 4.35 | 25 | 6 | ND | 2 | 110 | 25 | 2 | 2 | 49 | 5.46 | .145 | 7 | 2 | 1.16 | 107 | .01 | 3 | 1.08 | .03 | .16 | 1 | 23 |
| KK-321 | 2 | 281 | 942 | 709 | 58.5 | 4 | 12 | 1066 | 4.83 | 14 | 5 | ND | 1 | 108 | 5 | 61 | 2 | 66 | 2.67 | .148 | 5 | 5 | 1.31 | 103 | .01 | 2 | 1.55 | .04 | .15 | 1 | 20 |
| KK-322 | 3 | 146 | 4480 | 4211 | 35.2 | 3 | 5 | 626 | 2.56 | 70 | 5 | ND | 1 | 86 | 156 | 67 | 2 | 8 | 1.30 | .085 | 3 | 1 | .37 | 127 | .01 | 23 | .27 | .03 | .15 | 1 | 36 |
| KK-323 | 4 | 392 | 2412 | 5310 | 28.3 | 5 | 13 | 940 | 5.15 | 30 | 5 | ND | 1 | 50 | 85 | 56 | 2 | 50 | 1.08 | .158 | 6 | 4 | 1.06 | 87 | .01 | 4 | 1.31 | .04 | .21 | 1 | 26 |
| KK-324 | 6 | 294 | 925 | 5897 | 15.2 | 6 | 13 | 1319 | 4.99 | 17 | 5 | ND | 1 | 65 | 71 | 13 | 2 | 46 | 1.68 | .163 | 6 | 7 | .99 | 116 | .01 | 2 | 1.13 | .04 | .16 | 1 | 18 |
| KK-325 | 1 | 122 | 67 | 246 | 2.5 | 5 | 13 | 1323 | 5.02 | 11 | 5 | ND | 3 | 49 | 2 | 2 | 2 | 100 | 2.13 | .158 | 8 | 7 | 1.75 | 168 | .03 | 3 | 2.14 | .04 | .16 | 1 | 9 |
| KK-326 | 2 | 1372 | 731 | 2609 | 16.3 | 5 | 12 | 983 | 10.80 | 832 | 5 | ND | 2 | 4 | 25 | 2 | 4 | 58 | .12 | .049 | 6 | 4 | 1.04 | 19 | .01 | 2 | 2.37 | .02 | .07 | 1 | 1045 |
| KK-327 | 19 | 12 | 38 | 27 | 2.1 | 3 | 9 | 87 | 6.73 | 84 | 5 | ND | 2 | 11 | 1 | 2 | 2 | 3 | .23 | .099 | 10 | 1 | .04 | 7 | .03 | 7 | .33 | .05 | .20 | 3 | 5 |
| KK-328 | 26 | 15 | 25 | 35 | .2 | 1 | 3 | 152 | 4.66 | 32 | 5 | ND | 1 | 9 | 1 | 2 | 2 | 4 | .21 | .059 | 8 | 1 | .19 | 17 | .12 | 4 | .60 | .05 | .15 | 1 | 8 |
| KK-329 | 1 | 14 | 28 | 35 | 2.1 | 13 | 2 | 545 | .98 | 16 | 5 | ND | 1 | 1187 | 1 | 2 | 2 | 4 | 10.36 | .006 | 2 | 6 | .22 | 17 | .01 | 2 | .25 | .01 | .03 | 3 | 3 |
| TR-85 | 2 | 7574 | 20 | 207 | 12.3 | 7 | 11 | 3574 | 12.93 | 105 | 15 | 2 | 3 | 108 | 1 | 2 | 2 | 55 | 7.81 | .047 | 8 | 13 | 2.42 | 21 | .01 | 2 | 3.22 | .01 | .04 | 22 | 2475 |
| TR-86 | 14 | 37 | 35 | 27 | 3.9 | 6 | 29 | 182 | 14.39 | 291 | 5 | ND | 2 | 15 | 1 | 2 | 2 | 48 | .17 | .089 | 3 | 3 | .27 | 3 | .01 | 4 | .36 | .02 | .21 | 3 | 905 |
| TR-87 | 9 | 105 | 22 | 39 | 2.2 | 10 | 15 | 333 | 9.74 | 220 | 5 | ND | 1 | 9 | 1 | 2 | 2 | 50 | .26 | .078 | 3 | 12 | .48 | 5 | .01 | 4 | .57 | .02 | .17 | 2 | 560 |
| TR-88 | 15 | 25 | 29 | 23 | 3.0 | 4 | 24 | 283 | 8.88 | 198 | 5 | ND | 3 | 18 | 1 | 2 | 3 | 38 | .76 | .177 | 10 | 1 | .34 | 5 | .01 | 2 | .50 | .03 | .17 | 3 | 645 |
| TR-89 | 2 | 47 | 14 | 61 | 1.1 | 3 | 6 | 910 | 5.54 | 67 | 5 | ND | 1 | 8 | 1 | 2 | 2 | 128 | .40 | .169 | 3 | 5 | 1.69 | 40 | .01 | 4 | 1.71 | .03 | .13 | 1 | 170 |
| TR-90 | 5 | 21 | 24 | 28 | 2.5 | 3 | 34 | 266 | 18.27 | 238 | 5 | ND | 2 | 6 | 1 | 2 | 2 | 46 | .25 | .079 | 4 | 3 | .42 | 3 | .01 | 4 | .44 | .02 | .10 | 4 | 695 |
| TR-91 | 2 | 82 | 15 | 117 | .6 | 5 | 11 | 1017 | 6.11 | 54 | 5 | ND | 1 | 13 | 1 | 2 | 2 | 190 | 1.36 | .133 | 5 | 11 | 1.50 | 34 | .17 | 4 | 2.69 | .06 | .09 | 2 | 19 |
| TR-92 | 2 | 37 | 14 | 113 | .5 | 22 | 29 | 1066 | 8.60 | 58 | 19 | ND | 1 | 12 | 1 | 2 | 2 | 191 | 1.57 | .105 | 6 | 19 | 2.46 | 18 | .44 | 2 | 2.15 | .08 | .03 | 1 | 11 |
| TR-93 | 2 | 30 | 8 | 123 | .3 | 11 | 28 | 1030 | 9.13 | 10 | 7 | ND | 2 | 18 | 1 | 2 | 2 | 217 | 2.11 | .131 | 9 | 5 | 1.36 | 72 | .54 | 4 | 2.90 | .07 | .01 | 2 | 4 |
| STD C/AU-R | 19 | 61 | 39 | 132 | 7.4 | 69 | 28 | 1058 | 4.04 | 40 | 23 | 7 | 39 | 51 | 18 | 18 | 20 | 58 | .48 | .088 | 38 | 60 | .85 | 182 | .08 | 35 | 1.81 | .08 | .14 | 13 | 500 |

AP CLAIM

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE (604)253-3158 FAX (604)253-1716

DATE RECEIVED: OCT 10 1987
DATE REPORT MAILED: Oct. 13/87

# GEOCHEMICAL ICP ANALYSIS

- SAMPLE TYPE: Core AU* ANALYSIS BY AA FROM 10 GRAM SAMPLE.

ASSAYER: ..... DEAN TOYE, CERTIFIED B.C. ASSAYER

TEUTON RESOURCES CORP. File # 87-4771 Page 1

| SAMPLE# | AU* ppb |
|---|---|
| 26201 | 25 |
| 26202 | 61 |
| 26203 | 9 |
| 26204 | 29 |
| 26205 | 88 |
| 26206 | 25 |
| 26207 | 11 |
| 26208 | 49 |
| 26209 | 580 |
| 26210 | 420 |
| 26211 | 215 |
| 26212 | 92 |
| 26213 | 645 |
| 26214 | 128 |
| 26215 | 146 |
| 26216 | 485 |
| 26217 | 220 |
| 26218 | 111 |
| 26219 | 64 |
| 26220 | 96 |
| 26221 | 81 |
| 26222 | 156 |
| 26223 | 169 |
| 26224 | 102 |
| 26225 | 83 |
| 26226 | 146 |
| 26227 | 1820 |
| 26228 | 610 |
| 26229 | 520 |
| 26230 | 168 |
| 26231 | 121 |
| 26232 | 255 |
| 26233 | 350 |
| 26234 | 32 |
| 26235 | 230 |
| 26236 | 685 |

DRILL CORE
HOLE 87-1
TR-8 CLAIM
D.C.

TEUTON RESOURCES CORP. FILE # 87-4771 Page 2

| SAMPLE# | AU* ppb |
|---|---|
| 26237 | 310 |
| 26238 | 610 |
| 26239 | 270 |
| 26240 | 520 |
| 26241 | 690 |

# APPENDIX IV

## DRILL LOGS

E.R. KRUCHKOWSKI CONSULTING

PROPERTY TREATY #1 GROUP DATE STARTED 26 Sept/87 FINISHED 29 Sept/87

DRILL HOLE T-87-1 DEPTH 61.1 m DIP -46° BEARING 65°

SIZE: BQ D.C.

| INTERVAL METERS | | SAMPLE NO. | ASSAYS GOLD IN IN PPB | DESCRIPTION |
|---|---|---|---|---|
| 1.8 | 1.8 | | | Casing; overburden |
| | 1.8- 61.1 | | | Skarn assemblage; altered lithic-xtl. andesite tuff, moderately siliceous dolomitic skarn assemblage (skarned volcanics), med.-dk. green & pale - med. green f.s., mod-strong rhodochrosite and (hem. ?) along fault planes, skarn consists of diopside, epidote, specular hem.atite, calcite, chlorite, and pyrite + chalco-pyrite as sulphide mineralization. Minor quartz-calcite (qtz-cal) veinlets, mod-intense vugs and limonite oxidation (lim. ox.) along fract. planes and shears. |
| | 1.8- 4.3 | 26201 | 25 | -50% recovery, graveled blocky core, intense chl-epidote and rhodochrosite (hem. ?), weak-mod skarn alt. Tr. 1% v.f.g. diss. py. |
| | 4.3- 5.9 | 26202 | 62 | 95% recovery, strong skarn, 2-3% f.g.-c.g. diss. py. |
| | 5.9- 6.9 | 26203 | 9 | 95% recovery, strong skarn, 2-3% f.g.-c.g. diss. py. |
| | 6.9- 8.8 | 26204 | 29 | 95% recovery, strong skarn, 2-3% f.g.-c.g. diss. py. |
| | 8.8- 10.4 | 26205 | 88 | 95% recovery, strong skarn, 2-3% f.g.-c.g. diss. py. |
| | 10.4- 11.6 | 26206 | 25 | Mod.-strong skarn, 2-3% f.g.-c.g. diss. py. |
| | 11.6- 13.2 | 26207 | 11 | Well fract. weak skarn, fractured core. |
| | 13.2- 14.9 | 26208 | 49 | Weakly skarned, ep-chl alt, lith-xtl tuff, Tr. f.g. Py. |
| | 14.9- 16.5 | 26209 | 580 | Weakly skarned, ep-chl alt, lith-xtl tuff, Tr. f.g. Py. |

E.R. KRUCHKOWSKI CONSULTING

PROPERTY TREATY #1 GROUP DATE STARTED 26 Sept/87 FINISHED 29 Sept/87

DRILL HOLE T-87-1 DEPTH 61.1 m DIP -46° BEARING 65°

| INTERVAL METERS | SAMPLE NO. | ASSAYS GOLD IN IN PPB | DESCRIPTION |
|---|---|---|---|
| 16.5- 18.0 | 26210 | 420 | Weakly skarned, ep-chl alt., lith-xtl tuff, Tr. f.g. Py. |
| 18.0- 19.8 | 26211 | 215 | Mod.. skarn 1-2% f.g.-c.g. diss. Py, Strong calcite @ 19.23-19.26. |
| 19.8- 21.0 | 26212 | 92 | Weak skarn, chalcopyrite + chl. alt. lith-xtl tuff, Tr. f.g. Py. |
| 21.0- 21.6 | 26213 | 645 | 50% recovery 5-7% f.g.-c.g. diss. py, weak-mod skarn. |
| 21.6- 24.1 | 26214 | 128 | 50% recovery, 5-7% f.g.-c.g. diss. Py., weak-mod skarn. |
| 24.1- 25.6 | 26215 | 146 | 80% recovery, 3-5% f.g.-c.g. diss. Py. weak-mod skarn. |
| 25.6- 26.8 | 26216 | 485 | 7-10% recovery, 7-10% f.g.-c.g. diss. Py. weak-mod skarn. |
| 26.8- 30.2 | 26217 | 220 | Oxidized zone; intense limonite oxidation (lim. ox.), 7-10% :ss Py + 1% c.p. |
| 30.2- 31.4 | 26218 | 111 | Mod. dolomite skarn, 3-5% f.g.-c.g. Py + 1% Cp. |
| 31.4- 33.3 | 26219 | 64 | Mod. dolomite -cal. skarn, 1-2% f.g.-c.g. Py + 1% Cp. |
| 32.6- 33.3 | 26220 | 96 | Shattered core, gouge @ 108 & 109, 10-15% diss. py. |

E.R. KRUCHKOWSKI CONSULTING

PROPERTY TREATY #1 GROUP DATE STARTED 26 Sept/87 FINISHED 29 Sept/87

DRILL HOLE T-87-1 DEPTH 61.1 m DIP -46° BEARING 65°

| INTERVAL METERS | SAMPLE NO. | ASSAYS GOLD IN IN PPB | DESCRIPTION |
|---|---|---|---|
| 50.0- 52.0 | 26232 | 255 | Strong, silicified cal skarn; 3-5% f.g.-c.g. diss. Py. |
| 52.0- 52.6 | 26233 | 350 | 1 cm qtz. veinlet, intense limonite oxidation (lim. ox.), 5-7 % c.g. diss. Py. |
| 52.6- 53.0 | 26234 | 32 | Strong silicified cal skarn 2-3% f.g.-c.g. diss Py. |
| 53.0- 55.0 | 26235 | 230 | Strong silicified cal skarn, 3-5% f.g.-c.g. diss. Py. |
| 55.0- 55.8 | 26236 | 685 | Strong silicified cal skarn, 2-3% f.g.-c.g. diss Py. |
| 55.8- 56.7 | 26237 | 310 | Strong silicified cal skarn, 2-3 f.g.-c.g. diss. Py. |
| 56.7- 57.3 | 26238 | 610 | Strong silicified cal skarn, 15-20% f.g.-c.g. Diss. Py. |
| 57.3-58.8 | 26239 | 270 | Strong silicified cal skarn 3-5% f.g-c.g. Diss. Py. |
| 58.8- 60.3 | 26240 | 520 | Strong silicified cal skarn, 3-5% f.g.-c.g. Diss. Py. |
| 60.3- 61.1 | 26241 | 640 | 75% recovery, 25-30% f.g.-c.g. Diss. Py. |

E.R. KRUCHKOWSKI CONSULTING

PROPERTY TREATY #1 GROUP DATE STARTED 26 Sept/87 FINISHED 29 Sept/87

DRILL HOLE T-87-1 DEPTH 61.1 m DIP -46° BEARING 65°

| INTERVAL METERS | SAMPLE NO. | ASSAYS GOLD IN IN PPB | DESCRIPTION |
|---|---|---|---|
| 33.3- 34.7 | 26221 | 81 | Med-strong silicified skarn, 7-10%, f.g-c.g. diss. Py. |
| 34.7- 36.3 | 26222 | 156 | Mod.. skarn, 5-7% f.g.-c.g. diss. f.g.-c.g. diss. Py. |
| 36.3- 38.1 | 26223 | 169 | Mod. dol-cal skarn, 2-3% f.g.-c.g. diss. Py. |
| 38.1- 39.3 | 26224 | 102 | Mod. dol-cal skarn, 3-5% f.g.-c.g. diss. Py. |
| 39.3- 40.5 | 26225 | 83 | Mod. dol-cal skarn, 3-5% f.g.-c.g. diss. Py. |
| 40.5- 41.2 | 26226 | 146 | Mod.-strong dol-cal skarn, 10-15% f.g.-c.g., diss. Py., limonite oxidation (lim. ox.). |
| 41.2- 43.0 | 26227 | 1820 | 60% recovery, 30-35% diss. interstitial c.g. Py. |
| 43.0- 45.4 | 26228 | 610 | 10% recovery 20-25% diss. f.g.-c.g. Py. |
| 45.4- 46.9 | 26239 | 520 | 90% recovery, shattered core, blocky dol-cal skarn, 5% Py. |
| 46.9- 48.5 | 26230 | 168 | 90% recovery, shattered core, blocky dol-cal skarn 5% Py. |
| 48.5- 50.0 | 26231 | 121 | 100% reovery, block core, strong dol-cal skarn, 3-5% Py. |

Post 4N x 5W
TR 5

6500' (1981m)

6000' (1829m)

5500' (1676m)

5000' (1524m)

4500' (1372m)

KK 243
KK 241
KK 240
KK 242
KK 239
KK 238
KK 237

ANDESITE, LIMONITIC DOLOMITE, SERICITE SCHIST

RED, PURPLE + GREEN VOLCANIC BRECCIAS & PORPHYRITIC FLOWS

KK 231

SERICITE SCHISTS

KK 230

CRYSTALLINE LIMESTONE (MARBLE)

PILLOW LAVA, ANDESITIC FLOWS

KK 229
KK 228
KKS 02

KK 234
KK 232
KK 235

LATERAL MORAINE, QUARTZ CALCITE FLOAT

KKS 01

ICEFIELD

5500' (1676m)

6000' (1829m)

KK 227
KK 225
KK 226
KK 224
KK 223

DOLOMITE & MINOR SANDSTONE

KK 222
KK 221
KK 220
KK 219
KK 218
KK 217
KK 216

DOLOMITE & MINOR QUARTZITE

KK 215

INTENSE SERICITE ALTERATION (SERICITE SCHIST)

KK 214
KK 213
KK 212
KK 211

SKARN, SILICIFIED DOLOMITE, CRYSTAL TUFF

SEE MAP Nº. 3 "KONKIN GOLD ZONE"

6500' (1981m)

DA 1, 2
TR 91
TR 92
TR 93

ORANGE - BROWN GOSSAN ANDESITE

Post
TR 8
4964 (9)
(2N x 4E)

TS 7

GEOLOGICAL BRANCH
ASSESSMENT REPORT

16,839

TR 5
4961 (9)
(4N x 5W)

L.C.P.

TR 4
4960 (9)
(6S x 3W)

IH 01
IH 02

5000' (1524m)

LEGEND

- △ ROCK SAMPLE
- ○ SILT "
- KK 240 SAMPLE Nº
- APPROX OUTLINE OF OBSERVED ROCK TYPE

N

TEUTON RESOURCES CORP.

TR CLAIMS

# SAMPLE NUMBER AND GEOLOGICAL MAP

N.T.S. 104B-9E

SKEENA M.D., B.C.

0 100 200 400 METRES

| | |
|---|---|
| SCALE 1:5000 | DATE : DEC. 1987 |
| DRAWN BY : | MAP Nº. : (1) |

CHONG

Post 4N x 5W
TR 5

6500' (1981m)

6000' (1829m)

5500' (1676m)

5000' (1524m)

4500' (1372m)

Δ.3,1
Δ.3,2
Δ.1,1
Δ.1,39
Δ.1,1
Δ.3,18
Δ.1,1

Δ.4,20

Δ.3,920
.1
1.1,24
.8,1
307.8,420
Δ13.8,104
Δ362.0,180
1 0,12

# ICEFIELD

6500' (1981m)

6000' (1829m)

Δ5.2,600
67.2,1400
113.9,1980
19.4 2400
3.2,1600
3.8,640
1.1,500
1.1,700
2.2,400
8.1,2000
3.0,1000
2.4,700

Δ.5,230
9,1000
.4,224
2.6,3500
Δ5.8,23700

SEE MAP Nº. 3
"KONKIN GOLD ZONE"

Post
TR 8
4964 (9)
(2N x 4E)

Δ355.0,6230
Δ395.1,5675
.6,14 Δ
Δ.5,11
Δ.3,4

LEGEND

Δ ROCK SAMPLE
O SILT "
24,700 Ag ppm, Au ppb

.4,11

GEOLOGICAL BRANCH
ASSESSMENT REPORT

16,839

TR 5
4961 (9)
(4N x 5W)

L.C.P.

TR 4
4960 (9)
(6 S x 3W)

3000' (1524m)

.6,1
Δ.7,1

N

TEUTON RESOURCES CORP.

TR CLAIMS

SILVER & GOLD
ROCK & SILT GEOCHEMISTRY

N.T.S. 104B-9E SKEENA M.D., B.C.

0 100 200 400 METRES

| | |
|---|---|
| SCALE 1:5000 | DATE : DEC. 1987 |
| DRAWN BY : | MAP Nº. : (2) |

CHONG

KK 293/10 - 3860, 19.8

2

KK 290/1.8 - 2590, 8.6

KK 291/1.2 - 77400/48.4

KK 292/2.3 - 3040, 6.4

KK 294/1.4 - 36200, 14.5

2

1

overburden

KK 207/2.3 - 6700, 17.2

2

KK 295/1.2 - 336400, 120.7

GOLD PIT

90% LIMONITE, 10% QUARTZ CALCITE VEINLETS
PYRITE, CHALCOPYRITE, NATIVE GOLD

KK 206/.76 - 22500, 102.5

KK 210/1.2 - 890600, 267.4 *

KK 209/1.2 - 3600, 4.4

KK 208/1.2 - 3600, 7.0

COLLAR DDH 87-1
-46°
61.1 m

1

N

LEGEND

- ROCK OUTCROP
- GEOLOGICAL CONTACT
- TRENCH / PIT OUTLINE
- 1 — CRYSTAL - LITHIC TUFF ; ZONE OF WEAK SKARN ALTERATION
- 2 — DOLOMITE ; ZONE OF MODERATE TO STRONG SKARN ALTERATION

KK 290/1.8 - 2590, 8.6 SAMPLE Nº. / WIDTH IN METRES — PPB Au, PPM Ag

* FIRE ASSAY CHECK Au 30.092 oz/ton
Ag 8.62 "

GEOLOGICAL BRANCH
ASSESSMENT REPORT

16,839

TEUTON RESOURCES CORP.

TR Nº. 1 GROUP
KONKIN GOLD ZONE
SHOWING SURFACE SAMPLE, TRENCH, DRILL HOLE LOCATION, Au/Ag VALUES AND ROCK TYPES

N.T.S. 104B-9E SKEENA M.D., B.C.

0 2 4 8 METRES

| | |
|---|---|
| SCALE 1:100 | DATE : DEC 1987 |
| | MAP Nº. 3 |

CHONG